

ECE-345-001 (Fall 2020)


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Review Test Submission: Quiz 2.5

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Course	Intro to Control Systems - Fall 2020 Section Group I67
Test	Quiz 2.5
Started	8/24/20 8:27 PM
Submitted	8/24/20 8:28 PM
Status	Completed
Attempt Score	4 out of 4 points
Time Elapsed	1 minute
Results Displayed	Submitted Answers, Incorrectly Answered Questions

Question 1


1 out of 1 points

Which of the following describes the force induced by a spring with spring constant k and displacement x ?

Selected Answer: $-kx$

Question 2


1 out of 1 points

Which of the following describes the force induced by a damper with damping constant b and speed \dot{x} ?

Selected Answer: $-b\dot{x}$

Question 3


1 out of 1 points

Which one of these statements is NOT correct?

Selected Answer: A spring-mass-damper system conserves energy, meaning that no energy is lost over time.

Question 4

1 out of 1 points

Which of these equations describes Newton's law?

Selected Answer: $\sum F = m\ddot{x}(t)$